

**Patent** [19]

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[11] Patent Number: 09196399

[45] Date of Patent: Jul. 29, 1997

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## [54] AIR CONDITIONER

[21] Appl. No.: 08008497 JP08008497 JP

[22] Filed: Jan. 22, 1996

[51] Int. CL<sup>6</sup> F24F00100

## [57] ABSTRACT

**PROBLEM TO BE SOLVED:** To provide an air conditioner that is provided with a deodorant function in a room unit, increased with the effectiveness of the deodorant function by the drastically extended effective period of it, improved with maintainability and improved with a comfort living space.

**SOLUTION:** The surface of the component member of the air flowing path S that is arranged to a room unit Y comprises a photocatalyst layer n. A member that comprises the air flow path S comprises an air intake part 10, an air filter 6, a heat exchanger 7, a back plate 3, a cross flow fan 12 and a heat exchange air blow out part 22. When the surface of a front intake hole 4 and an upper intake hole 5 that are air intake part 10 comprises the photocatalyst layer n, the photocatalyst layer n is excited by the irradiation with the light of an illuminating lamp H of an air conditioned room, the odor included in the heat exchanging air is decomposed and cleaned.

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